

## CLAIMS

1. A combined roller and push switch assembly, comprising,
  - 5     - a substantially hollow wheel-like roller member being supported by an associated frame and being rotatably mounted in relation to the associated frame, the roller member being displaceable relative to the associated frame so as to render the roller member displaceable in relation to the associated frame from an initial position to a displaced position,
  - 10     - means for returning the roller member from the displaced position to the initial position, the returning means comprising a resilient member being at least partly encircled by the roller member,
  - 15     - means for detecting rotation of the roller member in relation to the associated frame, and
  - switching means for indicating when the roller member is in the displaced position,
  - 20    wherein the switching means is at least partly encircled by the roller member.
2. A roller and push switch assembly according to claim 1, wherein the resilient member is made of an elastic material, such as rubber.
- 25 3. A roller and push switch assembly according to claim 1, wherein the resilient member is formed as a ring having one or more protrusions extending in a radial direction away from a centre defined by the ring.
4. A roller and push switch assembly according to claim 3, wherein the resilient member
  - 30    has four protrusion.
5. A roller and push switch assembly according to claim 1, wherein the resilient member is mounted on a, in relation to the associated frame, rotatably mounted base member.
- 35 6. A roller and push switch assembly according to claim 1, wherein the switching means comprises a contact disc adapted to provide electrical contact between at least two contact points within the roller member when the roller member is in its displaced position, the contact disc being displaceable with the roller member.

7. A roller and push switch assembly according to claim 6 further comprising a switch leg adapted to provide electrical contact with a corresponding hole in the contact disc when the roller member is in its displaced position, said switch leg being fixedly mounted relative to the associated frame.

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8. A roller and push switch assembly according to claim 1, wherein the detection means comprises a coding member being at least partly encircled in the roller member.

9. A roller and push switch assembly according to claim 8, wherein the coding member

10 comprises a metal disc having between 5 and 25 holes arranged therein, the metal disc being at least partly encircled by the roller member.

10. A roller and push switch assembly according to claim 1, wherein the detection means comprises an arrangement of an electrically conductive path arranged on a substantially

15 plane surface, and an electrically conductive wiper having a first contact end being in contact with the electrically conductive path, the conductive wiper being arranged to rotate with the roller member whereby the first contact end is moved along the electrically conductive path upon rotation of the roller member.

20 11. A roller and push switch assembly according to claim 1, wherein the detection means comprises means for generating electric pulses according to a detected rotation of the roller.